MATERIAL SAFETY DATA SHEET

EXXATE 900 SOLVENT

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: EXXATE 900 SOLVENT

CHEMICAL NAME:
Acetate ester; C8-10 alcohol, branched

CHEMICAL FAMILY:
Ester

PRODUCT DESCRIPTION:
Clear colorless liquid with sweet ester odor

EMERGENCY TELEPHONE NUMBERS:
EXXON CHEMICAL AMERICAS 800-726-2016
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is hazardous as defined in 29 CFR1910.1200.
OSHA HAZARD
Combustible

For additional information see Section 3.

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:
Slightly irritating but does not injure eye tissue.

SKIN CONTACT:
Low order of toxicity.
Frequent or prolonged contact may irritate and cause dermatitis.
Occasional brief contact with the liquid will not result in significant irritation unless evaporation is impeded.

INHALATION:
Low order of toxicity.
Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

INGESTION:
Minimal toxicity.
Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:
Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.
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INHALATION:
Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:
50 ppm for EXXATE 900.

PRECAUTIONS

PERSONAL PROTECTION:
For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:
The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be stored and handled in a lab hood. Provide mechanical ventilation of confined spaces. See respiratory protection recommendations.

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 194 Deg F. METHOD: TCC
FLAMMABLE LIMITS: LEL: 1.0 UEL: 8.0 @ 0 Deg F.
AUTOIGNITION TEMPERATURE: 570 Deg F.

GENERAL HAZARD:
Combustible Liquid, can form combustible mixtures at temperatures at or above the flashpoint.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.
"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING:
Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.
Use foam, dry chemical, or water spray to extinguish fire.
Avoid spraying water directly into storage containers due to danger of
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boilover.

HAZARDOUS COMBUSTION PRODUCTS:
No unusual

SECTION 5 SPILL CONTROL PROCEDURE

LAND SPILL:
Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) notify the National Response Center.
Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.
Retrieve by pumping (use an explosion proof or hand pump) or with suitable absorbent.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL:
Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.
Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 6 NOTES

HAZARD RATING SYSTEMS:
This information is for people trained in:
National Paint & Coatings Association's (NPAC)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

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<tr>
<th>NPAC-HMIS</th>
<th>NFPA 704</th>
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<td>1</td>
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<td>FLAMMABILITY</td>
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<td>4 = Severe</td>
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<td>2 = Moderate</td>
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<tr>
<td>0 = Minimal</td>
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SECTION 7 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):
DOT SHIPPING DESCRIPTION: COMBUSTIBLE LIQUID, N.O.S., (ISONONYL ACETATE), COMBUSTIBLE LIQUID, NA 1993, III

Note: In containers less than 119 gallons, this product is not regulated by the DOT unless the product contains a Reportable Quantity (RQ) which is less than the size of the container. In such cases, the DOT classification is Environmentally Hazardous Substance, Class 9.

FLASHPOINT: 194 Deg F. METHOD: TCC

TSCA:
This product is listed on the TSCA Inventory at CAS Registry Number 108419-33-6

CERCLA:
If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:
Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Delayed Health, Fire.

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are met.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
0.87 at 68
SOLUBILITY IN WATER, WT. % AT °F:
0.00 at 77
SP. GRAV. OF VAPOR, at 1 atm (Air=1):
6.40
EVAPORATION RATE, n-Bu Acetate=1:
0.0

VAPOR PRESSURE, mmHg at °F:
0.0 at 68

VISCOITY OF LIQUID, CST AT °F:
3 at 77

FREEZING/MELTING POINT, °F:
Less than ambient

BOILING POINT, °F:
401 to 455

SECTION 9 REACTIVITY DATA

STABILITY:
Stable

CONDITIONS TO AVOID INSTABILITY:
Not applicable

HAZARDOUS POLYMERIZATION:
Will not occur
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PAGE: 5
DATE PREPARED: NOV 19, 1993
MSDS NO.: 92512000

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Caustics, strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:
None

SECTION 10 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:
Yes, use proper grounding procedure

LOADING/UNLOADING TEMPERATURE, °F:
Ambient

STORAGE TEMPERATURE, °F:
Ambient

VISC. AT LOADING/UNLOADING TEMP., cST:
2

STORAGE/TRANSPORT PRESSURE, mmHg:
Atmospheric

REFERENC SUMMARY:
Since NOVEMBER 2, 1993 this MSDS has been revised in Section(s):
3

REFERENCE NUMBER: NDHA-C-10022
DATE PREPARED: November 19, 1993
SUPERSEDES ISSUE DATE: November 2, 1993

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6684

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